

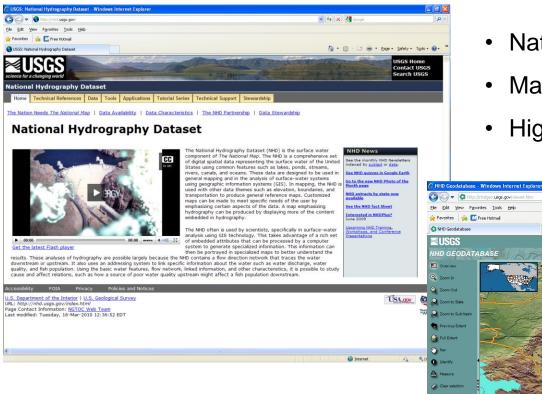
Mapping Hydrography in the ESPA

The National Hydrography Dataset (NHD)

Presented by Wilma Robertson

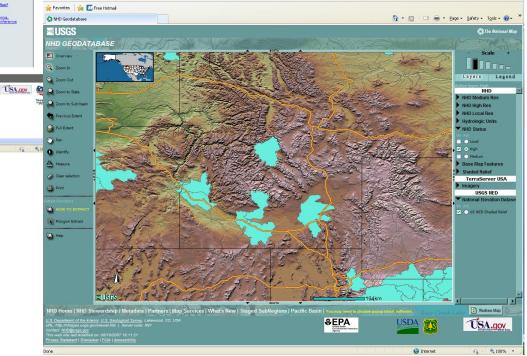
Date April 7, 2010





- Nationwide
- Maintained by the USGS
- High Resolution: 1:24,000

🗸 😽 🗶 🛂 Google



- Free to download
- Can be updated by Local Stewards

Request Maintenance

Report Bugs

Announcements

Maint/Revision Status

Glossary

FAQ

Idaho

View MOU Document

MOU

Signed

USGS POC Region 1

Hank Nelson

E-mail: hpnelson@usqs.gov Phone: 303 202-4448 Fax: 303 202-4504

Geospatial Liaison

Scott Van Hoff

E-mail: svanhoff@usgs.gov Phone: 208-387-1351 Fax: 208-387-1372

Principal Steward

Linda Davis E-mail:

linda.davis@idwr.idaho.gov Phone: 208-287-4877

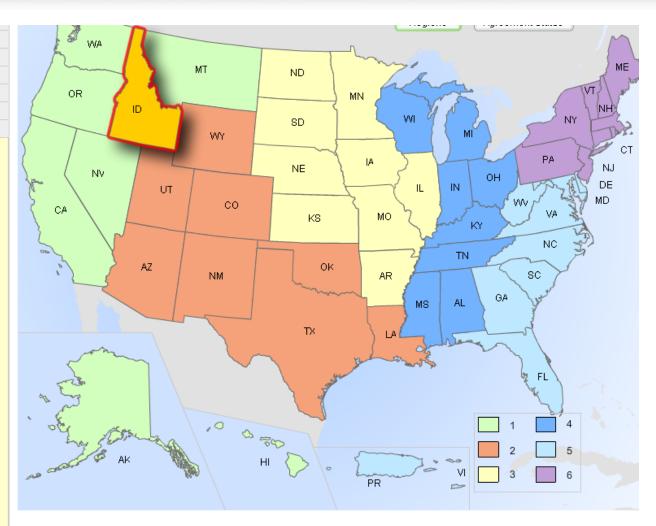
Technical POC

Wilma Robertson

E-mail:

wilma.robertson@idwr.idaho.gov

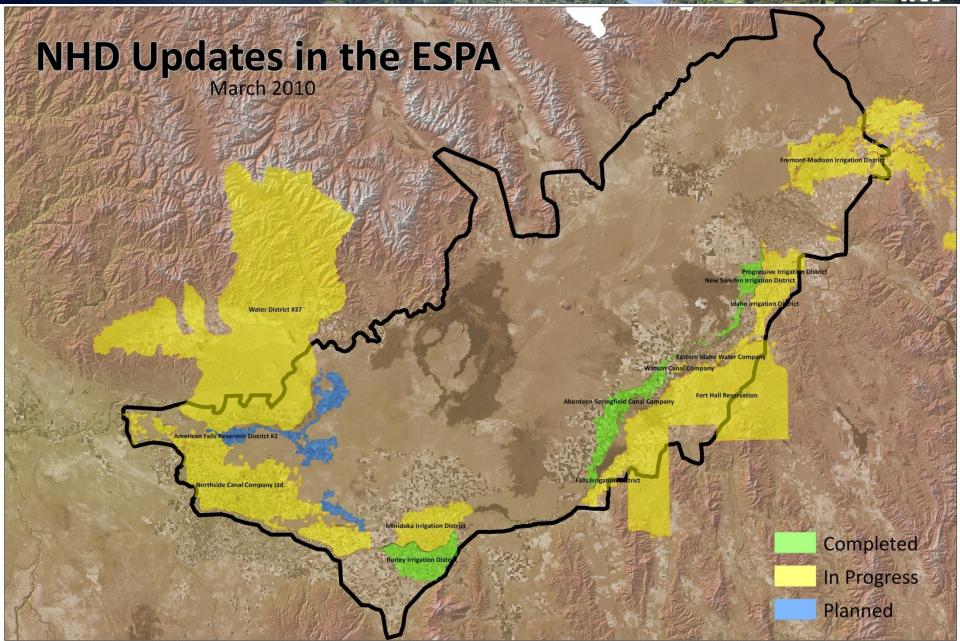
Phone: 208-287-4830



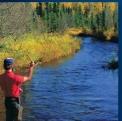
 $\begin{array}{l} \textbf{Text links:} \ \underline{AK \mid \underline{AL \mid \underline{AR \mid \underline{AZ \mid \underline{CA \mid \underline{CO \mid \underline{CT \mid \underline{DC \mid \underline{DE \mid \underline{FL \mid \underline{GA \mid \underline{HI \mid \underline{IA \mid \underline{ID \mid \underline{IL \mid \underline{IN \mid \underline{KS \mid \underline{KY \mid \underline{LA \mid \underline{MA \mid \underline{MD \mid \underline{ME \mid \underline{MM \mid \underline{MU \mid \underline{MV \mid \underline{MV$

















Challenge: getting information from local agencies

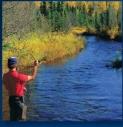
1. Paper maps with notes





Example: Northside Canal Company Ltd.



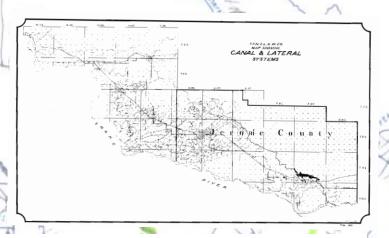








Northside Canal Company Ltd.

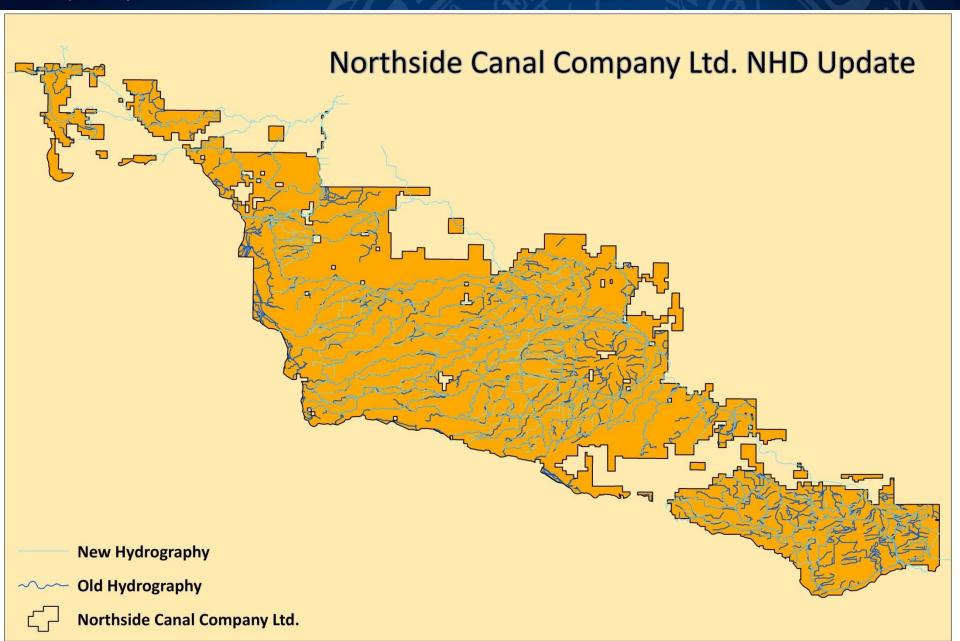


- 1. IDWR revised NHD using historical maps and NAIP Imagery
- 2. Maps reviewed by NSCC personnel
- 3. IDWR updates maps based on NSCC review and send back to NSCC

and white as

4. NSCC did final checks. IDWR uses data to update NHD

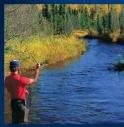






before after











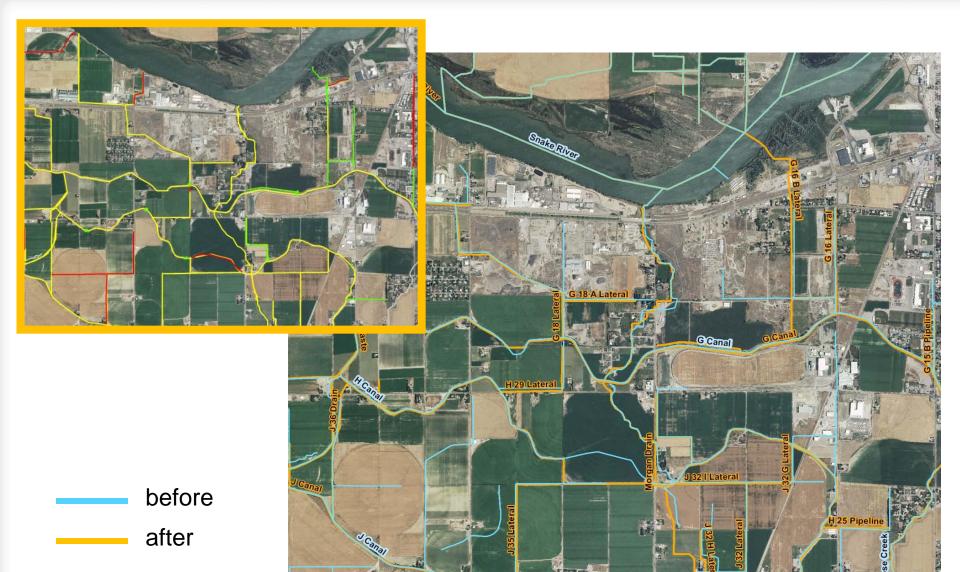
2. Customized Editing Tool

Example: Burley Irrigation District

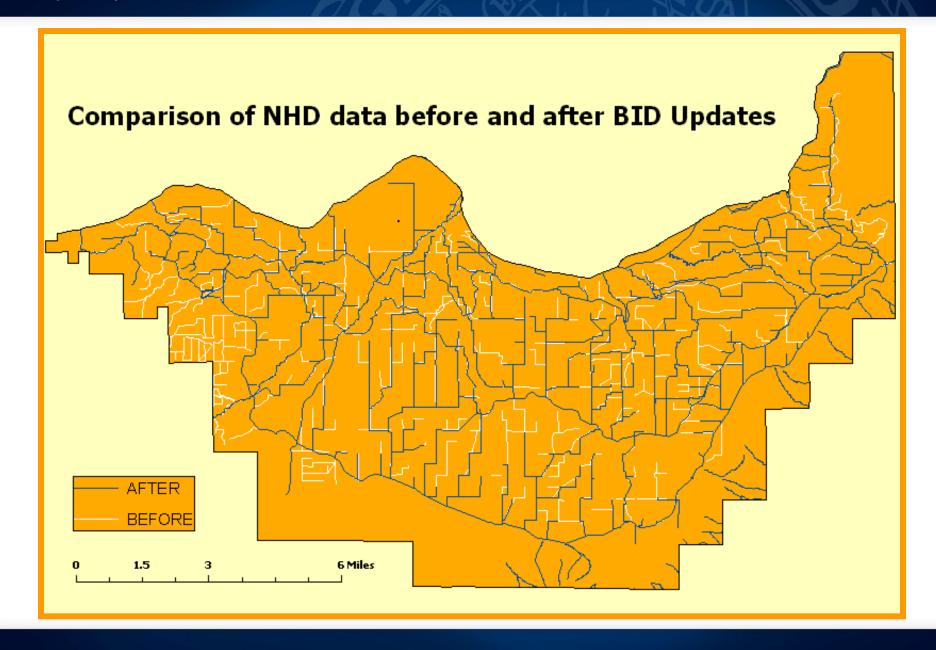


| Universal Input Form | | X |
|----------------------|---|--------|
| | Save Changes | Cancel |
| | | |
| | | |
| FTYPE | Canal or Ditch | _ |
| EDIT_ACTION | | _ |
| NAME | Add New Feature Delete Feature Modify Feature | |
| COMMENT | | _ |
| Shape_Length | 402.994285053856 | • |

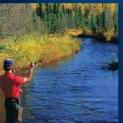
- Add New Feature
- Delete Feature
- Modify Feature



ER EC







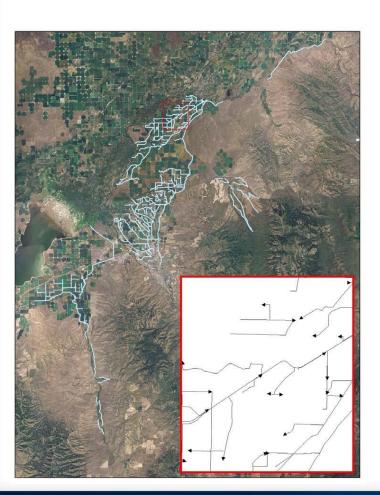






Challenge: getting information from local agencies

3. Use GIS data provided by Agencies

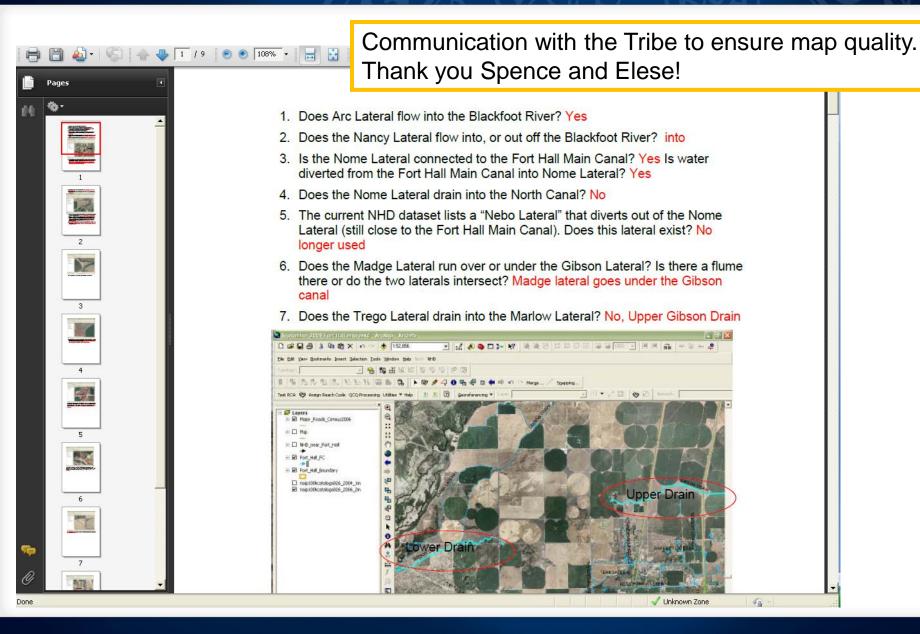


Aberdeen Springfield Canal Co.

Fort Hall Indian Reservation

Data received from Shoshone-Bannock Tribal Water Resources

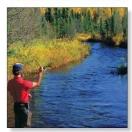
Required only minor edits by IDWR to update based on 2009 NAIP and fix flow directions and gaps







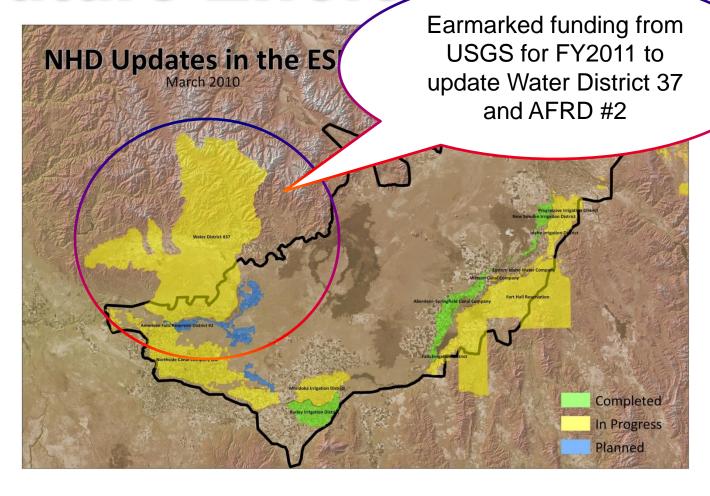








Future Efforts

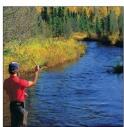






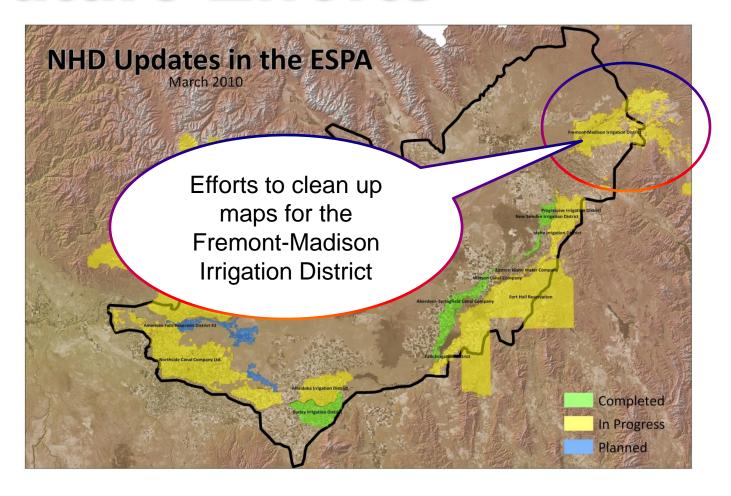


Future Efforts





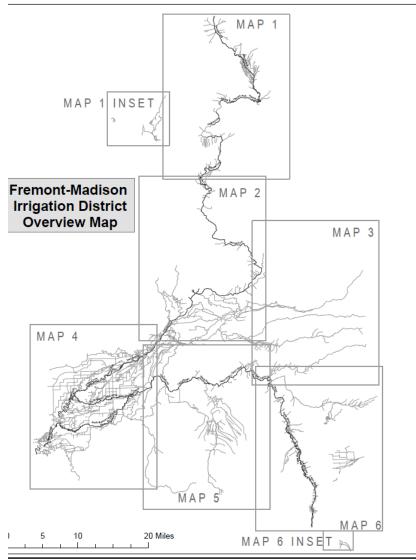






GIS data for main canals provided to IDWR by Fremont-Madison Irrigation District

IDWR revised entire Irrigation District based on this GIS data and 2006 NAIP





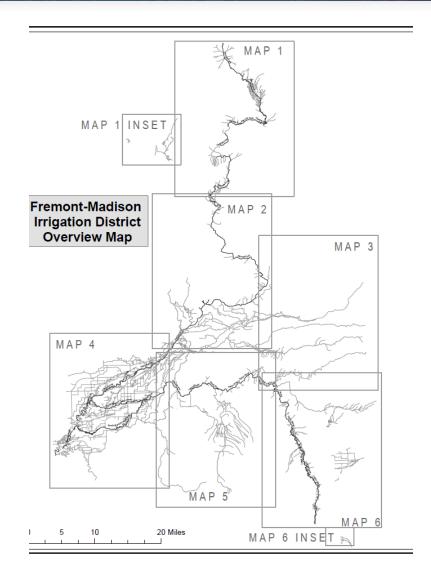
IDWR needs more local feedback on revised maps

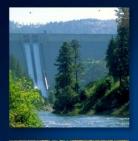
We have contacted and are waiting for feedback from:

- Egin Bench
- Southeast Idaho Canal
- Teton Island Canals
- Teton Valley Area

We have contacted and received feedback from:

Upper Henry's Fork





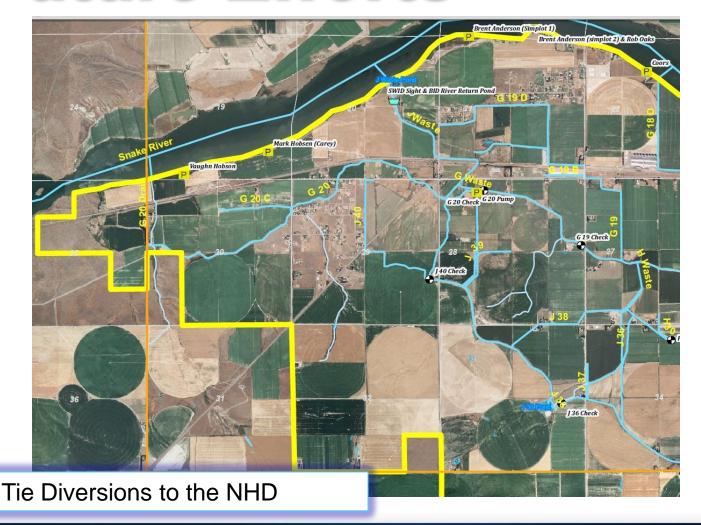








Future Efforts



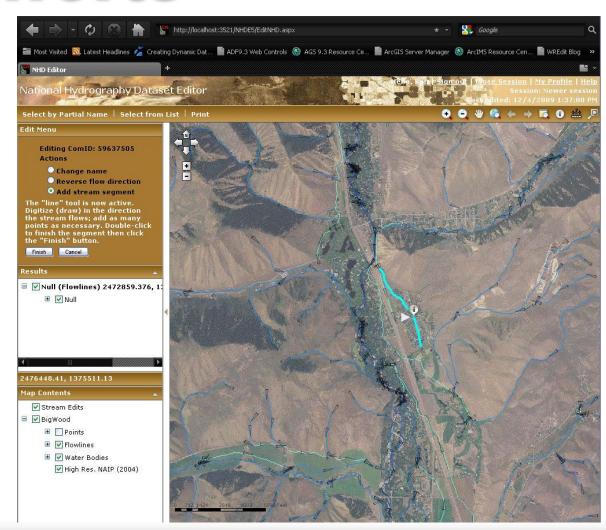
Future Efforts

Internet application that allows users to submit edits to IDWR

Next year this application will be expanded to also accept point and line event data

Points: Pumps, gates, dams, etc

Lines: canal lining, areas where seepage occurs.



Water Resources













Wilma.Robertson@idwr.idaho.gov

http://www.idwr.idaho.gov/hydrography/



Questions?





